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10747734\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10747734 on November 12, 2004

Original Classifications

20	370/335
9	370/331
8	370/329
7	370/338
7	370/349
5	370/328
5	370/342
5	455/450
5	455/69
4	370/252
4	370/337
4	455/437
4	455/456.2
4	455/522
4	455/63.1
3	342/457
3	370/310
3	370/465
3	455/423
3	455/442
3	455/458
3	455/560
3	455/562.1
3	455/67.13
2	370/216
2	370/310.2
2	370/315
2	370/318
2	370/320
2	370/332
2	370/347
2	370/348
2	370/350
2	370/441
2	370/458
2	370/468
2	375/130
2	375/132
2	375/340
2	375/347
2	455/12.1
2	455/414.1
2	455/419

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2 455/422.1  
2 455/424  
2 455/426.1  
2 455/427  
2 455/432.1  
2 455/434  
2 455/446  
2 455/512  
2 455/555  
2 455/557  
2 455/574  
2 455/67.11  
2 714/752  
2 714/774  
2 725/106

#### Cross-Reference Classifications

24 370/342  
16 370/468  
15 455/522  
14 455/436  
14 455/450  
10 370/335  
10 370/337  
10 455/561  
8 370/331  
8 370/347  
8 455/509  
8 455/517  
8 455/69  
7 370/350  
7 370/401  
7 455/466  
6 370/328  
6 370/338  
6 370/442  
6 455/442  
6 455/445  
5 370/252  
5 370/329  
5 455/422.1  
5 455/426.1  
5 455/433  
5 455/452.2  
5 455/562.1  
4 340/825.49  
4 370/352  
4 370/392

4 370/441  
4 370/443  
4 370/458  
4 370/469  
4 375/148  
4 455/430  
4 455/439  
4 455/456.1  
4 455/461  
4 455/553.1  
4 455/560  
4 455/67.11  
4 455/67.13  
3 342/450  
3 370/230  
3 370/254  
3 370/311  
3 370/320  
3 370/333  
3 370/349  
3 370/394  
3 370/412  
3 370/437  
3 370/447  
3 370/448  
3 370/465  
3 370/479  
3 370/503  
3 370/522  
3 375/133  
3 375/150  
3 375/222  
3 375/346  
3 375/349  
3 455/137  
3 455/273  
3 455/276.1  
3 455/423  
3 455/427  
3 455/432.1  
3 455/434  
3 455/435.1  
3 455/447  
3 455/455  
3 455/456.5  
3 455/458  
3 455/462  
3 455/554.1

3 455/557  
 3 455/62  
 3 455/63.1  
 3 455/65  
 3 455/70  
 2 330/124R  
 2 330/149  
 2 330/151  
 2 340/7.34  
 2 340/825.52  
 2 342/358  
 2 342/457  
 2 342/463  
 2 370/280  
 2 370/310  
 2 370/321  
 2 370/330  
 2 370/332  
 2 370/341  
 2 370/345  
 2 370/395.1  
 2 370/395.31  
 2 370/397  
 2 370/445  
 2 370/462  
 2 370/463  
 2 370/470  
 2 370/477  
 2 370/486  
 2 375/130  
 2 375/144  
 2 375/146  
 2 375/149  
 2 375/231  
 2 375/232  
 2 375/267  
 2 375/295  
 2 375/298  
 2 375/345  
 2 375/347  
 2 375/348  
 2 375/356  
 2 375/365  
 2 398/118  
 2 455/101  
 2 455/103  
 2 455/13.1  
 2 455/277.1

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2 455/279.1  
2 455/3.01  
2 455/411  
2 455/417  
2 455/424  
2 455/426.2  
2 455/440  
2 455/443  
2 455/446  
2 455/452.1  
2 455/453  
2 455/506  
2 455/511  
2 455/512  
2 455/515  
2 455/518  
2 455/524  
2 455/525  
2 455/552.1  
2 455/566  
2 455/63.2  
2 455/67.7  
2 708/323  
2 714/751  
2 714/761  
2 714/786  
2 725/123  
2 725/126

Combined Classifications

30 370/335  
29 370/342  
19 455/450  
19 455/522  
18 370/468  
17 370/331  
15 455/436  
14 370/337  
13 370/329  
13 370/338  
13 455/69  
11 370/328  
11 455/561  
10 370/347  
10 370/349  
9 370/252  
9 370/350  
9 455/442

9 455/517  
8 370/401  
8 455/466  
8 455/509  
8 455/562.1  
7 455/422.1  
7 455/426.1  
7 455/445  
7 455/560  
7 455/63.1  
7 455/67.13  
6 370/441  
6 370/442  
6 370/458  
6 370/465  
6 455/423  
6 455/433  
6 455/452.2  
6 455/458  
6 455/67.11  
5 342/457  
5 370/310  
5 370/320  
5 370/352  
5 370/443  
5 370/469  
5 375/148  
5 455/427  
5 455/432.1  
5 455/434  
5 455/437  
5 455/461  
5 455/557  
4 340/825.49  
4 370/230  
4 370/311  
4 370/332  
4 370/392  
4 370/437  
4 370/522  
4 375/130  
4 375/347  
4 455/276.1  
4 455/424  
4 455/430  
4 455/439  
4 455/446  
4 455/447

4 455/456.1  
4 455/456.2  
4 455/456.5  
4 455/512  
4 455/553.1  
3 330/149  
3 330/151  
3 342/450  
3 370/254  
3 370/318  
3 370/321  
3 370/333  
3 370/394  
3 370/395.1  
3 370/412  
3 370/445  
3 370/447  
3 370/448  
3 370/479  
3 370/503  
3 375/132  
3 375/133  
3 375/150  
3 375/222  
3 375/232  
3 375/346  
3 375/349  
3 375/356  
3 455/12.1  
3 455/13.1  
3 455/137  
3 455/273  
3 455/414.1  
3 455/435.1  
3 455/443  
3 455/452.1  
3 455/453  
3 455/455  
3 455/462  
3 455/515  
3 455/552.1  
3 455/554.1  
3 455/574  
3 455/62  
3 455/65  
3 455/70  
3 714/752  
3 714/786



3 725/106  
2 330/124R  
2 330/52  
2 340/7.27  
2 340/7.34  
2 340/825.52  
2 342/358  
2 342/373  
2 342/463  
2 370/209  
2 370/216  
2 370/236  
2 370/280  
2 370/310.1  
2 370/310.2  
2 370/312  
2 370/315  
2 370/330  
2 370/334  
2 370/341  
2 370/345  
2 370/346  
2 370/348  
2 370/353  
2 370/389  
2 370/395.31  
2 370/397  
2 370/404  
2 370/432  
2 370/438  
2 370/462  
2 370/463  
2 370/470  
2 370/473  
2 370/477  
2 370/486  
2 375/144  
2 375/146  
2 375/149  
2 375/231  
2 375/233  
2 375/261  
2 375/267  
2 375/295  
2 375/298  
2 375/340  
2 375/341  
2 375/345

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2 375/348  
2 375/365  
2 375/367  
2 380/247  
2 398/118  
2 455/101  
2 455/103  
2 455/126  
2 455/277.1  
2 455/279.1  
2 455/3.01  
2 455/411  
2 455/412.1  
2 455/417  
2 455/419  
2 455/425  
2 455/426.2  
2 455/428  
2 455/429  
2 455/438  
2 455/440  
2 455/444  
2 455/502  
2 455/506  
2 455/511  
2 455/518  
2 455/524  
2 455/525  
2 455/554.2  
2 455/555  
2 455/566  
2 455/63.2  
2 455/67.7  
2 708/323  
2 709/228  
2 714/704  
2 714/748  
2 714/751  
2 714/761  
2 714/774  
2 725/123  
2 725/126

Titles of Most Frequently Occurring Classifications of Patents Returned

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30  370/335      (20 OR, 10 XR)
      Class      370 : MULTIPLEX COMMUNICATIONS
      370/310     COMMUNICATION OVER FREE SPACE
      370/328     .Having a plurality of contiguous regions
                   served by respective fixed stations
      370/329     ..Channel assignment
      370/335     ...Combining or distributing information via
                   code word channels using multiple access te
chniques (e.g.,
                   CDMA)

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29  370/342      (5 OR, 24 XR)
      Class      370 : MULTIPLEX COMMUNICATIONS
      370/310    COMMUNICATION OVER FREE SPACE
      370/342    .Combining or distributing information via cod
e
                                word channels using multiple access techniq
ues (e.g., CDMA)

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19  455/522      (4 OR, 15 XR)
      Class      455 :  TELECOMMUNICATIONS
      455/39      TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

      455/500      .Plural transmitters or receivers (i.e., more
                    than two stations)
      455/507      ..Central station (e.g., master, etc.)
      455/517      ...To or from mobile station
      455/522      ....Transmission power control technique

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- 17 370/331 (9 OR, 8 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/310 COMMUNICATION OVER FREE SPACE
  - 370/328 .Having a plurality of contiguous regions  
served by respective fixed stations
  - 370/329 ..Channel assignment
  - 370/331 ...Hand-off control
  
- 15 455/436 (1 OR, 14 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/436 ..Handoff
  
- 14 370/337 (4 OR, 10 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/310 COMMUNICATION OVER FREE SPACE
  - 370/328 .Having a plurality of contiguous regions  
served by respective fixed stations
  - 370/329 ..Channel assignment
  - 370/336 ...Combining or distributing information via  
time channels
  - 370/337 ....Multiple access (e.g., TDMA)
  
- 13 370/329 (8 OR, 5 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/310 COMMUNICATION OVER FREE SPACE
  - 370/328 .Having a plurality of contiguous regions  
served by respective fixed stations
  - 370/329 ..Channel assignment
  
- 13 370/338 (7 OR, 6 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/310 COMMUNICATION OVER FREE SPACE
  - 370/328 .Having a plurality of contiguous regions  
served by respective fixed stations
  - 370/338 ..Contiguous regions interconnected by a local  
area network
  
- 13 455/69 (5 OR, 8 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
  - 455/68 .With control signal
  - 455/69 ..Transmitter controlled by signal feedback  
from receiver

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- 11 370/328 (5 OR, 6 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/328 .Having a plurality of contiguous regions  
 served by respective fixed stations
- 11 455/561 (1 OR, 10 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
 TRANSCEIVER)  
 455/550.1 .Radiotelephone equipment detail  
 455/561 ..Base station detail
- 10 370/347 (2 OR, 8 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/345 .Combining or distributing information via tim  
 e  
 channels  
 370/347 ..Multiple access (e.g., TDMA)
- 10 370/349 (7 OR, 3 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/345 .Combining or distributing information via tim  
 e  
 channels  
 370/349 ..Using messages having an address field as  
 header
- 9 370/252 (4 OR, 5 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION  
 )  
 370/252 .Determination of communication parameters
- 9 370/350 (2 OR, 7 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/345 .Combining or distributing information via tim  
 e  
 channels  
 370/350 ..Synchronization
- 9 455/442 (3 OR, 6 XR)  
 Class 455 : TELECOMMUNICATIONS

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455/403           RADIOTELEPHONE SYSTEM

455/422.1       .Zoned or cellular telephone system

455/436         ..Handoff

455/442         ...Soft handoff

9   455/517       (1 OR, 8 XR)

     Class   455 :   TELECOMMUNICATIONS

     455/39       TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

     455/500       .Plural transmitters or receivers (i.e., more  
                    than two stations)

     455/507       ..Central station (e.g., master, etc.)

     455/517       ...To or from mobile station

8   370/401       (1 OR, 7 XR)

     Class   370 :   MULTIPLEX COMMUNICATIONS

     370/351       PATHFINDING OR ROUTING

     370/389       .Switching a message which includes an address  
                    header

     370/400       ..Having a plurality of nodes performing  
                    distributed switching

     370/401       ...Bridge or gateway between networks

8   455/466       (1 OR, 7 XR)

     Class   455 :   TELECOMMUNICATIONS

     455/403       RADIOTELEPHONE SYSTEM

     455/466       .Auxiliary data signaling (e.g., short message  
                    service (SMS))

8   455/509       (0 OR, 8 XR)

     Class   455 :   TELECOMMUNICATIONS

     455/39       TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

     455/500       .Plural transmitters or receivers (i.e., more  
                    than two stations)

     455/507       ..Central station (e.g., master, etc.)

     455/509       ...Channel allocation

8   455/562.1     (3 OR, 5 XR)

     Class   455 :   TELECOMMUNICATIONS

     455/73       TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
  
                    TRANSCEIVER)

     455/550.1     .Radiotelephone equipment detail

     455/561       ..Base station detail

     455/562.1     ...Having specific antenna arrangement

7   455/422.1     (2 OR, 5 XR)

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Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system

7 455/426.1 (2 OR, 5 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/426.1 ..Including other radio communication system  
 (e.g., cordless telephone, paging, trunking  
 , etc.)

7 455/445 (1 OR, 6 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/445 ..Call routing (e.g., to prevent backhaul,  
 routing efficiency, least cost, or alternat  
 e routing)

7 455/560 (3 OR, 4 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
 ,  
 TRANSCEIVER)  
 455/550.1 .Radiotelephone equipment detail  
 455/560 ..Switching unit detail (e.g., mobile telephon  
 e  
 switching office (MTSO), base station contr  
 oller (BSC),  
 etc.)

7 455/63.1 (4 OR, 3 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
 455/63.1 .Distortion, noise, or other interference  
 prevention, reduction, or compensation

7 455/67.13 (3 OR, 4 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
 455/67.11 .Having measuring, testing, or monitoring of  
 system or part  
 455/67.13 ..Noise, distortion, or unwanted signal  
 detection (e.g., quality control, etc.)

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6 370/441 (2 OR, 4 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/431 CHANNEL ASSIGNMENT TECHNIQUES  
 370/441 .Combining or distributing information via cod  
 e  
 word channels using multiple access techniq  
 ues (e.g., CDMA)

6 370/442 (0 OR, 6 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/431 CHANNEL ASSIGNMENT TECHNIQUES  
 370/442 .Combining or distributing information via tim  
 e  
 channels using multiple access technique (e  
 .g., TDMA)

6 370/458 (2 OR, 4 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/431 CHANNEL ASSIGNMENT TECHNIQUES  
 370/458 .Using time slots

6 370/465 (3 OR, 3 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/464 COMMUNICATION TECHNIQUES FOR INFORMATION  
 CARRIED IN PLURAL CHANNELS  
 370/465 .Adaptive

6 455/423 (3 OR, 3 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/423 ..Diagnostic testing, malfunction indication,  
 or electrical condition measurement

6 455/433 (1 OR, 5 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/432.1 ..Roaming  
 455/433 ...Home location registration (HLR) or visitor  
 location registration (VLR) detail

6 455/452.2 (1 OR, 5 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/450 ..Channel allocation



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455/452.1      ...Dynamic allocation  
455/452.2      ....Based on service quality (e.g., bandwidth,  
                      etc.)

6   455/458            (3 OR, 3 XR)  
      Class    455 :   TELECOMMUNICATIONS  
      455/403            RADIOTELEPHONE SYSTEM  
      455/422.1        .Zoned or cellular telephone system  
      455/458            ..Specific paging technique

6   455/67.11        (2 OR, 4 XR)  
      Class    455 :   TELECOMMUNICATIONS  
      455/39            TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
  
      455/67.11        .Having measuring, testing, or monitoring of  
                              system or part

5   342/457            (3 OR, 2 XR)  
      Class    342 :   COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                              AND DEVICES  
      342/350            DIRECTIVE  
      342/450            .Position indicating (e.g., triangulation)  
      342/457            ..Land vehicle location (e.g., bus, police car)

5   370/310            (3 OR, 2 XR)  
      Class    370 :   MULTIPLEX COMMUNICATIONS  
      370/310            COMMUNICATION OVER FREE SPACE

5   370/320            (2 OR, 3 XR)  
      Class    370 :   MULTIPLEX COMMUNICATIONS  
      370/310            COMMUNICATION OVER FREE SPACE  
      370/315            .Repeater  
      370/316            ..Airborne or space satellite repeater  
      370/319            ...Multiple access (e.g., FDMA)  
      370/320            ....Code division (CDMA)

5   370/352            (1 OR, 4 XR)  
      Class    370 :   MULTIPLEX COMMUNICATIONS  
      370/351            PATHFINDING OR ROUTING  
      370/352            .Combined circuit switching and packet  
                              switching

5   370/443            (1 OR, 4 XR)  
      Class    370 :   MULTIPLEX COMMUNICATIONS  
      370/431            CHANNEL ASSIGNMENT TECHNIQUES  
      370/442            .Combining or distributing information via tim

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channels using multiple access technique (e.g., TDMA)

- 370/443 ..Using channel reservation
- 5 370/469 (1 OR, 4 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/464 COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
  - 370/465 .Adaptive
  - 370/469 ..Processing multiple layer protocols
- 5 375/148 (1 OR, 4 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/130 SPREAD SPECTRUM
  - 375/140 .Direct sequence
  - 375/147 ..Receiver
  - 375/148 ...Multi-receiver or interference cancellation
- 5 455/427 (2 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/427 ..Space satellite
- 5 455/432.1 (2 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/432.1 ..Roaming
- 5 455/434 (2 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/434 ..Control or access channel scanning
- 5 455/437 (4 OR, 1 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/436 ..Handoff
  - 455/437 ...Mobile assisted or initiated
- 5 455/461 (1 OR, 4 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/461 .Including personal numbering system (i.e.,

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or follow-me

intelligent network for subscriber tracking  
subscriber feature)

- 5 455/557 (2 OR, 3 XR)  
Class 455 : TELECOMMUNICATIONS  
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
TRANSCIVER)  
455/550.1 .Radiotelephone equipment detail  
455/557 ..Interface attached device (e.g., interface  
with modem, facsimile, computer, etc.)
- 4 340/825.49 (0 OR, 4 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.36 .Having indication or alarm (e.g., location  
indication)  
340/825.49 ..Location indication
- 4 370/230 (1 OR, 3 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/229 DATA FLOW CONGESTION PREVENTION OR CONTROL  
370/230 .Control of data admission to the network
- 4 370/311 (1 OR, 3 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/311 .Signaling for performing battery saving
- 4 370/332 (2 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/328 .Having a plurality of contiguous regions  
served by respective fixed stations  
370/329 ..Channel assignment  
370/331 ...Hand-off control  
370/332 ....Based upon a particular signal quality  
measurement
- 4 370/392 (0 OR, 4 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/351 PATHFINDING OR ROUTING  
370/389 .Switching a message which includes an address  
header  
370/392 ..Processing of address header for routing, pe

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- 4 370/437 (1 OR, 3 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/431 CHANNEL ASSIGNMENT TECHNIQUES  
 370/437 .Adaptive selection of channel assignment technique
- 4 370/522 (1 OR, 3 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/473 ..Transmission of a single message having multiple packets  
 370/498 .Combining or distributing information via time channels  
 370/522 ..Signaling (ancillary to main information)
- 4 375/130 (2 OR, 2 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/130 SPREAD SPECTRUM
- 4 375/347 (2 OR, 2 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/316 RECEIVERS  
 375/346 .Interference or noise reduction  
 375/347 ..Diversity (frequency or time)
- 4 455/276.1 (1 OR, 3 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER  
 455/269 .With wave collector (e.g., antenna)  
 455/272 ..Plural separate collectors  
 455/276.1 ...With phase shifting, correcting, or regulating in the output path of one or more collectors
- 4 455/424 (2 OR, 2 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/423 ..Diagnostic testing, malfunction indication, or electrical condition measurement  
 455/424 ...System equipment
- 4 455/430 (0 OR, 4 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system

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455/427 ..Space satellite  
455/430 ...Ground station control

4 455/439 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/436 ..Handoff  
455/439 ...Handoff initiated by another source (e.g.,  
target, user initiated, mobile switching ce

nter (MSC), or

mobile telephone switching office (MTSO), e

tc.)

4 455/446 (2 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/446 ..Including cell planning or layout

4 455/447 (1 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/446 ..Including cell planning or layout  
455/447 ...Frequency reuse scheme

4 455/456.1 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/456.1 ..Location monitoring

4 455/456.2 (4 OR, 0 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/456.1 ..Location monitoring  
455/456.2 ...Based on request signal

4 455/456.5 (1 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/456.1 ..Location monitoring  
455/456.5 ...At system equipment (i.e., base station)

4 455/512 (2 OR, 2 XR)

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Class	455	:	TELECOMMUNICATIONS
455/39			TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/500			.Plural transmitters or receivers (i.e., more than two stations)
455/507			..Central station (e.g., master, etc.)
455/509			...Channel allocation
455/512			....Based on priority

4 455/553.1 (0 OR, 4 XR)

Class	455	:	TELECOMMUNICATIONS
455/73			TRANSMITTER AND RECEIVER AT SAME STATION (E.G. TRANSCEIVER)
455/550.1			.Radiotelephone equipment detail
455/552.1			..Operable on more than one system
455/553.1			...Radiotelephone having plural transceivers (e.g., for analog and digital, trunking and cellular, etc.)

3 330/149 (1 OR, 2 XR)

Class	330	:	AMPLIFIERS
330/149			HUM OR NOISE OR DISTORTION BUCKING INTRODUCED INTO SIGNAL CHANNEL

3 330/151 (1 OR, 2 XR)

Class	330	:	AMPLIFIERS
330/151			WITH AMPLIFIER BYPASS MEANS (E.G., FORWARD FEED)

3 342/450 (0 OR, 3 XR)

Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/350			DIRECTIVE
342/450			.Position indicating (e.g., triangulation)

3 370/254 (0 OR, 3 XR)

Class	370	:	MULTIPLEX COMMUNICATIONS
370/254			NETWORK CONFIGURATION DETERMINATION

3 370/318 (2 OR, 1 XR)

Class	370	:	MULTIPLEX COMMUNICATIONS
370/310			COMMUNICATION OVER FREE SPACE
370/315			.Repeater
370/316			..Airborne or space satellite repeater
370/317			...Including noise compensation
370/318			....Including power control

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- 3 370/321 (1 OR, 2 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/310 COMMUNICATION OVER FREE SPACE
  - 370/315 .Repeater
  - 370/316 ..Airborne or space satellite repeater
  - 370/319 ...Multiple access (e.g., FDMA)
  - 370/321 ....Time division (TDMA)
- 3 370/333 (0 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/310 COMMUNICATION OVER FREE SPACE
  - 370/328 .Having a plurality of contiguous regions  
served by respective fixed stations
  - 370/329 ..Channel assignment
  - 370/331 ...Hand-off control
  - 370/332 ....Based upon a particular signal quality  
measurement
  - 370/333 .....Signal quality determined by bit error  
rate
- 3 370/394 (0 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/351 PATHFINDING OR ROUTING
  - 370/389 .Switching a message which includes an address  
header
  - 370/394 ..Sequencing or resequencing of packets to  
insure proper output sequence order
- 3 370/395.1 (1 OR, 2 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/351 PATHFINDING OR ROUTING
  - 370/389 .Switching a message which includes an address  
header
  - 370/395.1 ..Message transmitted using fixed length  
packets (e.g., ATM cells)
- 3 370/412 (0 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/351 PATHFINDING OR ROUTING
  - 370/389 .Switching a message which includes an address  
header
  - 370/412 ..Queuing arrangement
- 3 370/445 (1 OR, 2 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/431 CHANNEL ASSIGNMENT TECHNIQUES
  - 370/445 .Carrier sense multiple access (CSMA)

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- 3 370/447 (0 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/431 CHANNEL ASSIGNMENT TECHNIQUES
  - 370/445 .Carrier sense multiple access (CSMA)
  - 370/447 ..Arbitration for access between contending stations
  
- 3 370/448 (0 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/431 CHANNEL ASSIGNMENT TECHNIQUES
  - 370/445 .Carrier sense multiple access (CSMA)
  - 370/447 ..Arbitration for access between contending stations
  - 370/448 ...Using weighted back-off timing
  
- 3 370/479 (0 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/473 ..Transmission of a single message having multiple packets
  - 370/479 .Combining or distributing information via code word channels
  
- 3 370/503 (0 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/473 ..Transmission of a single message having multiple packets
  - 370/498 .Combining or distributing information via time channels
  - 370/503 ..Synchronizing
  
- 3 375/132 (2 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/130 SPREAD SPECTRUM
  - 375/132 .Frequency hopping
  
- 3 375/133 (0 OR, 3 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/130 SPREAD SPECTRUM
  - 375/132 .Frequency hopping
  - 375/133 ..End-to-end transmission system
  
- 3 375/150 (0 OR, 3 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/130 SPREAD SPECTRUM
  - 375/140 .Direct sequence



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	375/147	..Receiver
	375/150	...Correlation-type receiver
3	375/222	(0 OR, 3 XR)
	Class 375 :	PULSE OR DIGITAL COMMUNICATIONS
	375/219	TRANSCEIVERS
	375/222	.Modems (data sets)
3	375/232	(1 OR, 2 XR)
	Class 375 :	PULSE OR DIGITAL COMMUNICATIONS
	375/229	EQUALIZERS
	375/230	.Automatic
	375/232	..Adaptive
3	375/346	(0 OR, 3 XR)
	Class 375 :	PULSE OR DIGITAL COMMUNICATIONS
	375/316	RECEIVERS
	375/346	.Interference or noise reduction
3	375/349	(0 OR, 3 XR)
	Class 375 :	PULSE OR DIGITAL COMMUNICATIONS
	375/316	RECEIVERS
	375/346	.Interference or noise reduction
	375/349	..Plural signal paths in receiver
3	375/356	(1 OR, 2 XR)
	Class 375 :	PULSE OR DIGITAL COMMUNICATIONS
	375/354	SYNCHRONIZERS
	375/356	.Network synchronizing more than two stations
3	455/12.1	(2 OR, 1 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/7	CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E., RETRANSMISSION OF SAME INFORMATION)
	455/11.1	.Portable or mobile repeater
	455/12.1	..Space satellite
3	455/13.1	(1 OR, 2 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/7	CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E., RETRANSMISSION OF SAME INFORMATION)
	455/11.1	.Portable or mobile repeater
	455/12.1	..Space satellite
	455/13.1	...With plural repeater or relay systems
3	455/137	(0 OR, 3 XR)
	Class 455 :	TELECOMMUNICATIONS

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455/130	RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
455/132	.Plural receivers
455/137	..With output combining
3 455/273	(0 OR, 3 XR)
Class 455 :	TELECOMMUNICATIONS
455/130	RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
455/269	.With wave collector (e.g., antenna)
455/272	..Plural separate collectors
455/273	...With particular output combining
3 455/414.1	(2 OR, 1 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM
455/414.1	.Special service
3 455/435.1	(0 OR, 3 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM
455/422.1	.Zoned or cellular telephone system
455/435.1	..Registration
3 455/443	(1 OR, 2 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM
455/422.1	.Zoned or cellular telephone system
455/436	..Handoff
455/443	...Overlapping cells
3 455/452.1	(1 OR, 2 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM
455/422.1	.Zoned or cellular telephone system
455/450	..Channel allocation
455/452.1	...Dynamic allocation
3 455/453	(1 OR, 2 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM
455/422.1	.Zoned or cellular telephone system
455/450	..Channel allocation
455/453	...Load balancing
3 455/455	(0 OR, 3 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM

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- 455/422.1 .Zoned or cellular telephone system
- 455/455 ..Channel seizing
  
- 3 455/462 (0 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/462 .Including private cordless extension system
  
- 3 455/515 (1 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
  
  - 455/500 .Plural transmitters or receivers (i.e., more than two stations)
  - 455/507 ..Central station (e.g., master, etc.)
  - 455/515 ...Control channel monitoring (i.e., paging or access channel signaling) for system access
  
- 3 455/552.1 (1 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G. TRANSCEIVER)
  
  - 455/550.1 .Radiotelephone equipment detail
  - 455/552.1 ..Operable on more than one system
  
- 3 455/554.1 (0 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G. TRANSCEIVER)
  
  - 455/550.1 .Radiotelephone equipment detail
  - 455/554.1 ..Remote private branch exchange (PBX) with wireless link to landline
  
- 3 455/574 (2 OR, 1 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G. TRANSCEIVER)
  
  - 455/550.1 .Radiotelephone equipment detail
  - 455/572 ..Power supply
  - 455/574 ...Power conservation
  
- 3 455/62 (0 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

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455/62 .Optimum frequency selection

3 455/65 (0 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/63.1 .Distortion, noise, or other interference  
prevention, reduction, or compensation

455/65 ..Anti-multipath

3 455/70 (0 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/68 .With control signal

455/70 ..Receiver control signal originates at messag

e

transmitter

3 714/752 (2 OR, 1 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/746 .Digital data error correction

714/752 ..Forward correction by block code

3 714/786 (1 OR, 2 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/746 .Digital data error correction

714/786 ..Forward error correction by tree code (e.g.,  
convolutional)

3 725/106 (2 OR, 1 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM  
COMMUNICATION

725/106 .Telephony via television distribution network

2 330/124R (0 OR, 2 XR)

Class 330 : AMPLIFIERS

330/124R WITH PLURAL AMPLIFIER CHANNELS (E.G., PARALLEL  
AMPLIFIER CHANNELS)

2 330/52 (1 OR, 1 XR)

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Class 330 : AMPLIFIERS  
330/52 WITH PILOT FREQUENCY CONTROL MEANS

2 340/7.27 (1 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.36 .Having indication or alarm (e.g., location  
indication)  
340/7.2 ..Code responsive (i.e., paging)  
340/7.24 ...Transmitting configuration  
340/7.25 ....Multiple transmitters  
340/7.27 .....Zoned

2 340/7.34 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.36 .Having indication or alarm (e.g., location  
indication)  
340/7.2 ..Code responsive (i.e., paging)  
340/7.32 ...Power control or battery saving  
340/7.33 ....Based on received signal  
340/7.34 .....Frame based timing

2 340/825.52 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.52 .Addressing

2 342/358 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/358 ..With satellite signal correction

2 342/373 (1 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/368 .Including a steerable array  
342/373 ..With a matrix

2 342/463 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/450 .Position indicating (e.g., triangulation)  
342/463 ..Having plural transmitters or receivers

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2  370/209      (1 OR, 1 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/203      GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL
                      TECHNIQUES
      370/208      .Particular set of orthogonal functions
      370/209      ..Walsh functions

2  370/216      (2 OR, 0 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/216      FAULT RECOVERY

2  370/236      (1 OR, 1 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/229      DATA FLOW CONGESTION PREVENTION OR CONTROL
      370/235      .Flow control of data transmission through a
                      network
      370/236      ..Including signaling between network elements

2  370/280      (0 OR, 2 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/276      DUPLEX
      370/277      .Communication over free space
      370/280      ..Time division

2  370/310.1    (1 OR, 1 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/310      COMMUNICATION OVER FREE SPACE
      370/310.1    .Using ATM as a wireles protocol

2  370/310.2    (2 OR, 0 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/310      COMMUNICATION OVER FREE SPACE
      370/310.1    .Using ATM as a wireles protocol
      370/310.2    ..Having a plurality of contiguous regions
                      served by respective fixed stations

2  370/312      (1 OR, 1 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/310      COMMUNICATION OVER FREE SPACE
      370/312      .Message addressed to multiple destinations

2  370/315      (2 OR, 0 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/310      COMMUNICATION OVER FREE SPACE
      370/315      .Repeater

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2 370/330 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/328 .Having a plurality of contiguous regions  
           served by respective fixed stations  
 370/329 ..Channel assignment  
 370/330 ...Having both time and frequency assignment

2 370/334 (1 OR, 1 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/328 .Having a plurality of contiguous regions  
           served by respective fixed stations  
 370/329 ..Channel assignment  
 370/331 ...Hand-off control  
 370/332 ....Based upon a particular signal quality  
           measurement  
 370/334 .....Using multiple antennas at a station

2 370/341 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/340 .Using trunking  
 370/341 ..Channel assignment

2 370/345 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/345 .Combining or distributing information via tim  
 e  
           channels

2 370/346 (1 OR, 1 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/345 .Combining or distributing information via tim  
 e  
           channels  
 370/346 ..Polling

2 370/348 (2 OR, 0 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/345 .Combining or distributing information via tim  
 e  
           channels  
 370/347 ..Multiple access (e.g., TDMA)  
 370/348 ...Channel reservation scheme

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2  370/353      (1 OR, 1 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/351    PATHFINDING OR ROUTING
    370/352    .Combined circuit switching and packet
                switching
    370/353    ..Switching network having common elements to
                handle both circuit switched traffic and pa
cket switched
                traffic

2  370/389      (1 OR, 1 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/351    PATHFINDING OR ROUTING
    370/389    .Switching a message which includes an address
                header

2  370/395.31   (0 OR, 2 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/351    PATHFINDING OR ROUTING
    370/389    .Switching a message which includes an address
                header
    370/395.1  ..Message transmitted using fixed length
                packets (e.g., ATM cells)
    370/395.3  ...Connection identifier assignment
    370/395.31 ....Including routing table

2  370/397      (0 OR, 2 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/351    PATHFINDING OR ROUTING
    370/389    .Switching a message which includes an address
                header
    370/395.1  ..Message transmitted using fixed length
                packets (e.g., ATM cells)
    370/396    ...Distributed switching
    370/397    ....Employing logical addressing for routing
                (e.g., VP or VC)

2  370/404      (1 OR, 1 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/351    PATHFINDING OR ROUTING
    370/389    .Switching a message which includes an address
                header
    370/400    ..Having a plurality of nodes performing
                distributed switching
    370/401    ...Bridge or gateway between networks
    370/402    ....Bridge between bus systems
    370/403    .....At least one bus is a ring network

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370/404 .....Ring or loop forms backbone for  
interconnecting other networks

2 370/432 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/432 .Messages addressed to multiple destinations

2 370/438 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/438 .Using a separate control line or bus for  
access control

2 370/462 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/462 .Arbitration for access to a channel

2 370/463 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/463 .Details of circuit or interface for connectin

g

user to the network

2 370/470 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/464 COMMUNICATION TECHNIQUES FOR INFORMATION  
CARRIED IN PLURAL CHANNELS  
370/465 .Adaptive  
370/470 ..Frame length

2 370/473 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/464 COMMUNICATION TECHNIQUES FOR INFORMATION  
CARRIED IN PLURAL CHANNELS  
370/465 .Adaptive  
370/473 ..Transmission of a single message having  
multiple packets

2 370/477 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/473 ..Transmission of a single message having  
multiple packets  
370/477 .Transmission bandwidth conservation

2 370/486 (0 OR, 2 XR)

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Class 370 : MULTIPLEX COMMUNICATIONS

370/473 ..Transmission of a single message having multiple packets

370/480 .Combining or distributing information via frequency channels

370/485 ..Subscriber carrier

370/486 ...Program distribution

2 375/144 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/130 SPREAD SPECTRUM

375/140 .Direct sequence

375/141 ..End-to-end transmission system

375/144 ...Having multi-receiver or interference cancellation

2 375/146 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/130 SPREAD SPECTRUM

375/140 .Direct sequence

375/146 ..Transmitter

2 375/149 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/130 SPREAD SPECTRUM

375/140 .Direct sequence

375/147 ..Receiver

375/149 ...Having specific code synchronization

2 375/231 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/229 EQUALIZERS

375/230 .Automatic

375/231 ..Training period or initial set up

2 375/233 (1 OR, 1 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/229 EQUALIZERS

375/230 .Automatic

375/232 ..Adaptive

375/233 ...Decision feedback equalizer

2 375/261 (1 OR, 1 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

375/260 .Plural channels for transmission of a single pulse train

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375/261 ..Quadrature amplitude modulation

2 375/267 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

375/260 .Plural channels for transmission of a single pulse train

375/267 ..Diversity

2 375/295 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/295 TRANSMITTERS

2 375/298 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/295 TRANSMITTERS

375/298 ..Quadrature amplitude modulation

2 375/340 (2 OR, 0 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/316 RECEIVERS

375/340 .Particular pulse demodulator or detector

2 375/341 (1 OR, 1 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/316 RECEIVERS

375/340 .Particular pulse demodulator or detector

375/341 ..Maximum likelihood decoder or viterbi decode

r

2 375/345 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/316 RECEIVERS

375/345 .Automatic gain control

2 375/348 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/316 RECEIVERS

375/346 .Interference or noise reduction

375/348 ..Intersymbol interference

2 375/365 (0 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/354 SYNCHRONIZERS

375/362 .Frequency or phase control using synchronizin

g

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signal

375/365 ..Synchronization word

2 375/367 (1 OR, 1 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/354 SYNCHRONIZERS

375/362 .Frequency or phase control using synchronizin

g

signal

375/365 ..Synchronization word

375/367 ...Pseudo noise

2 380/247 (1 OR, 1 XR)

Class 380 : CRYPTOGRAPHY

380/247 CELLULAR TELEPHONE CRYPTOGRAPHIC AUTHENTICATIO

N

2 398/118 (0 OR, 2 XR)

Class 398 : OPTICAL COMMUNICATIONS

398/118 OPTICAL COMMUNICATION OVER FREEE SPACE

2 455/101 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/91 TRANSMITTER

455/101 .Diversity

2 455/103 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/91 TRANSMITTER

455/103 .Plural separate transmitters or channels

2 455/126 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/91 TRANSMITTER

455/126 .With feedback of modulated output signal

2 455/277.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/272 ..Plural separate collectors

455/277.1 ...Selectively or alternately connected to  
receiver

2 455/279.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

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455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/272 ..Plural separate collectors

455/278.1 ...Combined with noise or interference  
elimination

455/279.1 ....Plural antenna currents entering single  
transformer

2 455/3.01 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/3.01 WIRELESS DISTRIBUTION SYSTEM

2 455/411 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/410 .Security or fraud prevention  
455/411 ..Privacy, lock-out, or authentication

2 455/412.1 (1 OR, 1 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/412.1 .Message storage or retrieval

2 455/417 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/414.1 .Special service  
455/417 ..Call diversion

2 455/419 (2 OR, 0 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/418 .Programming control  
455/419 ..Remote programming control

2 455/425 (1 OR, 1 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/423 ..Diagnostic testing, malfunction indication,  
or electrical condition measurement  
455/425 ...Subscriber equipment

2 455/426.2 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system

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455/426.2 ..Wireless service for fixed premises equipmen  
 t  
 (e.g., Wireless Local Loop (WLL) Telco emul  
 ator, etc.)

2 455/428 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/427 ..Space satellite  
 455/428 ...Switching or routing

2 455/429 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/427 ..Space satellite  
 455/429 ...Cell projection

2 455/438 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/436 ..Handoff  
 455/438 ...Serving site initiated

2 455/440 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/436 ..Handoff  
 455/440 ...Based upon unit location

2 455/444 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/436 ..Handoff  
 455/444 ...Between macro and micro cells

2 455/502 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS  
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
 455/500 .Plural transmitters or receivers (i.e., more  
 than two stations)  
 455/501 ..Noise, distortion, or singing reduction  
 455/502 ...Synchronized stations

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2  455/506      (0 OR, 2 XR)
      Class 455 : TELECOMMUNICATIONS
      455/39      TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

      455/500      .Plural transmitters or receivers (i.e., more
                    than two stations)
      455/501      ..Noise, distortion, or singing reduction
      455/504      ...Fading compensation
      455/506      ....Rayleigh or multipath fading

2  455/511      (0 OR, 2 XR)
      Class 455 : TELECOMMUNICATIONS
      455/39      TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

      455/500      .Plural transmitters or receivers (i.e., more
                    than two stations)
      455/507      ..Central station (e.g., master, etc.)
      455/509      ...Channel allocation
      455/511      ....Control channel/voice channel conversion

2  455/518      (0 OR, 2 XR)
      Class 455 : TELECOMMUNICATIONS
      455/39      TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

      455/500      .Plural transmitters or receivers (i.e., more
                    than two stations)
      455/507      ..Central station (e.g., master, etc.)
      455/517      ...To or from mobile station
      455/518      ....Having talk group

2  455/524      (0 OR, 2 XR)
      Class 455 : TELECOMMUNICATIONS
      455/39      TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

      455/500      .Plural transmitters or receivers (i.e., more
                    than two stations)
      455/507      ..Central station (e.g., master, etc.)
      455/517      ...To or from mobile station
      455/524      ....Multiple base stations

2  455/525      (0 OR, 2 XR)
      Class 455 : TELECOMMUNICATIONS
      455/39      TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

      455/500      .Plural transmitters or receivers (i.e., more
                    than two stations)
      455/507      ..Central station (e.g., master, etc.)

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455/517 ...To or from mobile station  
 455/524 ....Multiple base stations  
 455/525 .....Base station selection

2 455/554.2 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/554.2 ..Equipment detail for providing wireless link  
 to fixed equipment (e.g., WLL, Telco emulat

or, etc.)

2 455/555 (2 OR, 0 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/555 ..Wireless private branch exchange (PBX) (i.e.

wireless link to extension unit)

2 455/566 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/566 ..Having display

2 455/63.2 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/63.1 .Distortion, noise, or other interference  
 prevention, reduction, or compensation

455/63.2 ..System with hierarchical coverage areas

2 455/67.7 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of  
 system or part

455/67.7 ..With indication (e.g., visual or voice  
 signalling, etc.)



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2 708/323 (0 OR, 2 XR)

Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING  
AND CALCULATING

708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER

708/200 .Particular function performed

708/300 ..Filtering

708/322 ...Adaptive

708/323 ....Equalizer

2 709/228 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/227 .Computer-to-computer session/connection  
establishing

709/228 ..Session/connection parameter setting

2 714/704 (1 OR, 1 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/704 .Error count or rate

2 714/748 (1 OR, 1 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/746 .Digital data error correction

714/748 ..Request for retransmission

2 714/751 (0 OR, 2 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/746 .Digital data error correction

714/748 ..Request for retransmission

714/751 ...Including forward error correction  
capability

2 714/761 (0 OR, 2 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/746 .Digital data error correction

714/752 ..Forward correction by block code

714/761 ...Random and burst error correction

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- 2 714/774 (2 OR, 0 XR)
  - Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY
  - 714/699 PULSE OR DATA ERROR HANDLING
  - 714/746 .Digital data error correction
  - 714/752 ..Forward correction by block code
  - 714/774 ...Adaptive error-correcting capability
  
- 2 725/123 (0 OR, 2 XR)
  - Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
  - 725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM  
COMMUNICATION
  - 725/118 .Transmission network
  - 725/121 ..Return path
  - 725/123 ...Wireless return path
  
- 2 725/126 (0 OR, 2 XR)
  - Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
  - 725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM  
COMMUNICATION
  - 725/118 .Transmission network
  - 725/126 ..Detail of use of two-way spectrum

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PLUS Search Results for S/N 10747734, Searched November 12, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6788959	5715526	5745480	5867763	6131034	5652751
6400695	5758288	5920815	5884184	6137784	5696699
6650905	5768686	6198921	5896411	6157628	5699356
6385451	5825762	6278861	6049535	6175737	5717688
6738632	5859838	6295302	6064886	6181945	5838730
6795412	5873043	6359904	6104727	6192038	5862491
6101392	5892464	6477370	6163707	6195554	5875186
6714760	5903552	6608832	6212174	6212387	5917629
6658011	5914958	6744753	6215778	6212387	5920824
6072990	5926503	5757810	6212174	6252910	5987024
6035183	5949773	6014565	6215778	6356531	6002919
6658235	5960341	6122293	6366622	6405039	6073030
6181683	5991329	6201960	6388999	6539237	6104928
6587672	6002672	6434375	6452913	6542754	6131033
6594240	6047178	6424639	6480506	6628942	6141388
6618592	6058306	6751478	6542481	6729929	6151314
6674765	6115388	6339612	6577862	6807431	6229802
6757293	6118773	6697988	6678260	6266342	6301239
6374112	6285664	5987018	6707804	6298043	6631275
6490461	6330460	6097974	6754176	6747976	6687259
6507567	6349094	6167237	6804223	6799024	5806000
6597679	6430414	6330444	6804252	6329902	6621793
6795689	6456608	6405020	6108385	6615382	5666654
6477670	6504836	6480476	5485120	6208959	5400362
6650907	6748215	6587448	5774460	5648987	5448762
6747962	6771964	6697651	6097970	4789983	5467374
5754533	6138025	6765891	5300894	5638422	5687171
6574668	6230005	5771459	5878036	5706274	5734967
6070070	6469998	5913176	6134231	5875179	5761634
6181686	6519248	5970059	6178337	6298053	5189670
6311056	6035178	6456826	5260989	6363062	5265092
6031866	5506848	6795437	5448754	6370153	5295180
5926747	5729680	5826186	5570412	6434113	5349630
5790596	5940381	6246677	5592555	6462717	5392300
5657358	5987303	6553006	5594385	6501741	5437055

10747734 LIST

5758090	6023459	6711147	5610554	6512747	5490165
5802110	6128287	6058107	5708655	6678854	5511098
5528597	6192055	6718162	5751250	6781999	5546429
5715516	6556582	6366569	5805576	6788656	5577265
5722051	6608828	6370385	5844522	5278892	5598404
5774461	5457680	6414947	5889768	5793762	5603096
5828677	6167259	6430413	5914944	5887022	5613193
5940454	5945949	6717925	5943327	5257265	5623485
6208620	6684081	6222832	5949790	5424692	5625876
5508707	6731623	6222832	5966642	5898924	5673259
5568482	6765890	5586121	5978362	6131030	5682602
5579374	5751774	5799010	6041241	5210753	5687198
5600706	6144855	5828655	6044265	5384777	5712868
5602903	5200954	5839052	6081706	5515509	5729557
5696760	5673308	5844885	6112058	5612991	5886987